

THE NATIONAL Provisioner

THE MAGAZINE OF THE
Meat Packing and Allied Industries

VOLUME 83

From July 5 to December 27, 1930, inclusive

THE NATIONAL PROVISIONER
OLD COLONY BUILDING, CHICAGO

Alphabetical Index to Volume 83

EXPLANATORY.—This gives alphabetically the principal articles and items which have appeared the past six months. The features which are published regularly from week to week are, for obvious reasons, not indexed. The regular features, weekly reviews, etc., referred to are as follows:

Chicago Live Stock Review, Chicago Provision Market, Kansas City Live Stock Review, St. Louis Live Stock Review, Omaha Live Stock Review, Reviews on Provisions and Lard, Oleo and Neutral Lard, Weekly Exports of Provisions, Monthly Exports, Weekly and Monthly Meat Imports, Pork Packing in Principal Cities of the United States, Packinghouse Notes, Stocks of Provisions in Chicago, Kansas City, South Omaha, Milwaukee, South St. Joseph, New York and Liverpool, Market on Hides and Skins, Vegetable Oils and Cake and Meal Markets, Tallow and Stearine Markets, Fertilizer Notes, Ice and Refrigeration Matters, Internal Revenue Decisions, U. S. Appraisers' Decisions, Patents and Trade Marks, New Incorporations, Answers to Correspondents, Chicago and New York Markets (covering all packinghouse and allied products), Liverpool Markets, and Market Chart Service.

Also the Retail Department, giving news of and information for retail butchers and meat dealers.

EDITORIAL

A

Analyze Those Prices, p. 25, Nov. 22.
Analyze Your Market, p. 29, Dec. 13.

B

Beef Should Be a Good Buy, p. 27, Aug. 16.
Building for the Future, p. 25, Sept. 27.
Business Indicted? Is, p. 27, Nov. 1.

C

Cold Feet, A Cure for, p. 31, Sept. 20.
Cotton Meal? Why Not Try, p. 31, Sept. 20.
Credit Common Sense, p. 31, July 26.

E

Expensive Repairs, p. 25, Sept. 27.

F

Feed Grains and Drouth, p. 24, Oct. 18.
Fires, Preventing Plant, p. 29, Oct. 4.
Frozen Foods, A Name for, p. 27, Aug. 9.

G

Guaranteeing Profits, p. 27, July 5.

H

Hard Knocks and Progress, p. 29, Sept. 6.
Help, Mr. Packer! p. 27, July 19.
Hides, To Prevent Grubby, p. 27, Aug. 23.
Hog Crop, Don't Be Misled on, p. 29, Oct. 4.

I

Improvements and Profits, p. 31, Aug. 30.
International Readjustment, p. 27, Nov. 15.

K

Keeping Meats Moving, p. 27, Aug. 9.

L

Lamb, Plan to Popularize, p. 27, Nov. 1.
Lamb Sales, Promoting, p. 27, Aug. 23.
Lard, More Customers for, p. 29, Sept. 13.
Lard Protection Next? Is, p. 29, Aug. 2.
Let the Facts Be Shown, p. 27, July 5.

M

Meat as a Christmas Gift, p. 31, Dec. 6.
Meat Prices and Profits, p. 29, Dec. 27.
Meat Supplies and Drouth, p. 27, Aug. 16.
Must Know to Supervise, p. 24, Nov. 8.

N

Nature Blesses Stubborn Man, p. 29, Sept. 13.
New Products and Methods, p. 29, Aug. 2.

O

Obsolete Management, p. 27, July 19.

P

Packer as a Merchandiser, p. 23, Dec. 20.
Packages, Competition of, p. 27, Nov. 29.
Pork Export Outlook, p. 31, Aug. 30.
Pork in World Markets, p. 27, July 12.
Pork Market? Where Is Our, p. 29, Sept. 6.
Pork Packing Prospects, p. 27, Nov. 15.
Power Saving Reminders, p. 27, July 5.
Price, Not Safe to Buy on, p. 37, Oct. 11.
Put Your Money to Work, p. 37, Oct. 11.

R

Record, A Good, p. 31, July 12.
Reducing Handling Costs, p. 25, Oct. 18.
Reducing Selling Costs, p. 25, Nov. 22.
Retail Methods, Better, p. 31, July 12.
Rewards for Workers, p. 29, Dec. 27.

S

Satisfy Consumer Demand, p. 25, Nov. 8.
Sausage, Palatable Pork, p. 31, Dec. 6.

T

There Are Two Sides to This, p. 23, Dec. 20.

V

Volume, Profitable, p. 31, July 26.

W

Waste, Preventing Plant, p. 27, Nov. 29.
Why a "Crying Towel"? p. 29, Dec. 13.

GENERAL

A

Accident Hazard, Iccies an, p. 32, Dec. 6.
Accounting System for Packers Shows Sales Fluctuations over Four-Year Period and Keeps the Picture Clear, Simple, p. 19, Sept. 27.
Advertising Campaign, Meat as an Energy Builder Used as Slogan in Successful, p. 23, Sept. 13.
Advertising, Christmas, p. 56, Dec. 6.
Advertising Meats, Getting the Most out of Modest Space when, p. 25, Nov. 8.
Advertising, Plans for Lamb, p. 51, Aug. 30.
Agriculture, The Situation in, p. 178, Oct. 25.
Ammonia Accidents Occur, When, p. 29, Nov. 22.
Ammonia in System, p. 207, Oct. 25.
Argentine Canned Meats, p. 55, Nov. 29.
Argentine Packing Profits, p. 27, Nov. 22.
Armour Passes, Lester, p. 47, Nov. 22.
Arthur, Death of Phillip S., p. 47, Nov. 22.
Australia Seems to Have Designs on the British Pork Market, p. 35, Nov. 29.
Australian Imports, Limit, p. 24, July 19.

B

Bacon Color, Dry-Cure, p. 30, Dec. 27.
Bacon, Curing Box, p. 28, Nov. 1.
Bacon Trouble, Dry Cure, p. 26, Oct. 18.
Bags for Meat, Knitted, p. 31, Aug. 2.
Baker Leaves U. S. Chamber, p. 50, Aug. 23.
Beef, Barbecued, p. 32, Aug. 30.
Beef Grading and Stamping Service to be Expanded, U. S., p. 26, July 5.
Beef Grading at Sioux City, p. 48, Dec. 27.
Beef Grading Facts, U. S., p. 26, Nov. 1.
Beef Grading, Three Years' Progress in Government, p. 22, Nov. 22.
Beef Market, World, p. 26, Sept. 13.
Beef, Pork and Lamb, Learning How to Produce Best Grades of, p. 24, Aug. 23.
Beef Prices, Lower Retail, p. 54, July 26.
Beef Price, World's Record, p. 20, Dec. 20.
Beef Shows Progress of the Grading Idea, Packer Grading of Fresh, p. 27, Aug. 2.
Beef, Show Them How to Cut, p. 55, Sept. 13.
Bell in Boston Brokerage, p. 49, Oct. 18.
Bellies, Curing Heavier, p. 30, Sept. 13.
Bohock Growth in 1930, p. 30, Nov. 29.
Boiler Tube Temperature, p. 31, Aug. 2.
Bone Mill for Grinding, p. 31, Aug. 2.
Bovine Tuberculosis, End, p. 28, Oct. 4.
Branding Iron, New Ink, p. 31, Dec. 27.
Branding S. P. Meats, p. 26, Oct. 18.
Brine, Care of, p. 22, Nov. 29.
Brown, Death of James, p. 57, Aug. 9.
Bull, Yield of Boned, p. 32, July 12.
Burns, Retirement of Joseph, p. 50, Dec. 27.
Business, How's? p. 34, July 26.
Business is Good with Those Who Have Something Good to Sell, p. 27, Sept. 13.

Business Situation, General, p. 183, Oct. 25.
Butcherless Market, New, p. 60, July 12.
Butter Consumption Up, p. 51, Nov. 29.
Butter Tax Law, Imitation, p. 42, July 26.

C

Calci-Chloro-Meter, New, p. 44, Oct. 11.
Canada Aids Feeders, p. 28, Oct. 4.
Canada Consumes More Meat, p. 30, July 20.
Canada Meat Packers Elect, p. 22, Dec. 20.
Canned Meats, Profits in, p. 58, July 12.
Canada Packers Put Profit Above Volume in Its Sales Program, p. 26, July 19.
Canadian Cattle to England, p. 48, Nov. 22.
Canadian Meat Tariffs, New, p. 26, Nov. 29.
Carbon Dioxide, Solid, p. 28, Nov. 29.
Carlson, Death of Henry C., p. 65, Oct. 11.
Casings, Buying and Testing Sausage, p. 32, July 12; p. 32, July 26.
Casing Curing Machine, p. 29, July 19.
Casings, Disinfect Russian, p. 56, Nov. 29.
Casings, Grading Hog, p. 30, Sept. 13.
Casings Imported, Chinese, p. 32, July 19.
Casings Market Good, German, p. 22, Nov. 22.
Casings, Producing Sheep, p. 204, Oct. 25.
Catch Basins for Grease, p. 28, Nov. 15.
Cattle Direct to Consumer, p. 24, July 5.
Cattle Outlook Better, p. 34, Aug. 30.
Cellophane Cuts Price, p. 26, Aug. 2.
Cellophane Plant, New, p. 43, Nov. 15.
Cereals Consumed, Less, p. 26, Nov. 29.
Chain Defends State Tax, p. 30, July 26.
Chain Drives, Care of, p. 27, Nov. 22.
Chain Expands, Voluntary, p. 26, Nov. 15; p. 30, Nov. 29.
Chain Hearings, Nebraska, p. 30, Nov. 1.
Chain Inquiry in Memphis, p. 24, Nov. 8.
Chain Inquiry, Nebraska, p. 30, Sept. 10; p. 30, Nov. 29.
Chain, Plans New National, p. 24, July 19.
Chain Sales in Canada, p. 30, Nov. 29.
Chain Store Leaders Talk Sales Outlook and Tax Legislation Problems, p. 27; Oct. 4.
Chain Stores, Meats in, p. 30, Nov. 29.
Chain Stores, Meat Merchandising Trends in, p. 135, Oct. 25.
Chain Store Sales Figures, p. 26, Aug. 23.
Chain Store Sales Trends, p. 28, Sept. 13.
Chain Store Tax, Georgia, p. 30, Nov. 29.
Chain Store Tax, Indiana, p. 50, Nov. 1.
Chain Store Tax Law Trends, State, p. 34, Oct. 11.
Chain Tax Upheld in N. C., p. 24, Sept. 27.
Chain to Buy Produce, p. 24, Nov. 8.
Chains and Packaged Meats, p. 29, Nov. 15.
Chains, Growth of Voluntary, p. 28, Sept. 6.
Chains, Meat Distribution Through Voluntary, p. 19, Nov. 8.
Charts, Pork and Beef, p. 26, Sept. 13.
Cheese as a Side Line, p. 23, Dec. 27.
Chemistry Genius Passes, p. 47, Nov. 8.
Chicken with Bologna, p. 28, Aug. 9.
Chitterling Cost, Cuts, p. 29, Nov. 1.
Chorizos for Canning, p. 204, Oct. 25.
Christmas Meats Advertised, p. 52, Nov. 29.
Cold Storage Employment, p. 34, Nov. 29.
Cold Storage, Packer in, p. 33, Sept. 13.
Cold Storage Space Greater, p. 46, July 19.
Cold Storage Thermometers, p. 51, July 12.
Colgate, Death of S. M., p. 51, Nov. 15.
Collection Results, Getting, p. 52, Nov. 15.
Competitors, Don't Knock, p. 28, Oct. 18.
Compressor Exploding, p. 57, Sept. 20.
Compressor, Lubricating the, p. 45, July 19.
Compressor Operation Notes, p. 31, Oct. 18.
Compressor, Overhauling the, p. 33, Nov. 29.
Conference of Major Industries, Seventh Annual, p. 165, Oct. 25.
Conveyors for the Meat Plant, Facts to Consider When Purchasing, p. 25, Nov. 29.
Cooking the Different Cuts, p. 69, Oct. 11.
Coolers, Moisture in, p. 28, Aug. 23.
Cooler, Planning the Hog, p. 28, July 19.
Cooling Expense, Keeping Down Meat Plant, p. 25, Dec. 27.
Cooling Tower, Pond or, p. 29, Nov. 1.
Cooling Towers, Small, p. 53, July 12.
Corned Beef Boosting, p. 55, Sept. 13.
Corned Beef, Quick-Curing, p. 26, Oct. 18.
Cotton Oil Men Make Beef, p. 40, Sept. 13.
Cotton Oil Work Centered, p. 40, July 12.
Cottonseed Buying Criticized, p. 49, July 12.
Cottonseed Grading, Adopt, p. 40, Sept. 6.
Cottonseed Grading and Prices, p. 38, Nov. 1.
Cottonseed Hearings Resume, p. 36, Aug. 9; p. 52, Oct. 11; p. 42, Dec. 13.
Cottonseed Industry Survey, p. 32, Dec. 20.

Cottonseed Industry, Uniform Cost Accounting is
 Considered Important in, p. 34, July 5.
Cottonseed is Priced, How, p. 38, Oct. 18.
Cottonseed, New Food from, p. 31, Dec. 27.
Cottonseed Rises Published, p. 30, Aug. 9.
Cottonseed Survey Planned, p. 40, Nov. 1.
Cracklings, Market for, p. 28, Nov. 8.
Cracklings, Moisture in, p. 29, Aug. 9.
Crackling Press Pressure, p. 32, Sept. 20.
Crackling Press Results, p. 29, Aug. 23.
Cracklings, Value of, p. 28, Nov. 1.
Cross, Death of Albert E., p. 51, Nov. 29.
Cross, Estate of Albert E., p. 52, Dec. 13.
Cudahy Packing Co. Celebrates 40th Anniversary of
 Founding, p. 22, Dec. 20.
Cudahy Packing Co. Report Shows Net Earnings
 Largest in Four Years, p. 27, Dec. 27.
Cudahy Reports Better Net, p. 28, Oct. 4.
Cudahy Sioux City Opening, p. 40, July 19.
Curing Cellars, Painting, p. 27, Nov. 23.
Curing, Gain or Shrink in, p. 20, Oct. 25.
Curing Pickle, Second, p. 32, Dec. 6.
Cut Price Meat Specials Apt to Draw only Cut
 Price Customers, p. 52, July 5.

D

Danahy, Death of John M., p. 47, Nov. 8.
Decree Hearings End, p. 24, Nov. 22.
Delivery, Cooperative, p. 53, Aug. 2.
Delivery Costs, p. 52, Aug. 2.
Delivery Costs, Will Study, p. 59, July 12.
Distribution Returns, First Census, p. 24, Sept. 27.
Distributor Becomes Packer, p. 49, July 5.
Drought, Market of Meat Animals Not Ser-
 iously Influenced by, p. 32, Aug. 23.
Dry Ice Wins Patent Suit, p. 33, Sept. 13.

E

Edmondson Leaves Wolff Co., p. 48, July 5.
Electric Industry, Current Situation in the, p.
 170, Oct. 25.
Employment, Packinghouse, p. 43, Nov. 15.
Enslinger, Death of Frank, p. 48, Oct. 18.
European Meat Plant Methods Differ from Those
 in America, p. 25, Aug. 16.
Expansion Valve, More on, p. 51, July 12.
Expansion Valve, That New, p. 45, July 5.
Export Outlook Unfavorable, p. 31, Sept. 27.
Export Rates, Reduced, p. 26, Nov. 29.
Express Shipments of Meats, p. 30, Aug. 30.

F

Farm Boys and Girls Listen to Advice from
 Hoover and Wilson, p. 27, Dec. 6.
Fat Content High, p. 33, Aug. 33.
Fat Cooker, Water in, p. 26, Sept. 27.
Fat, Shredding Beef, p. 29, Aug. 16.
Fats Study, Inedible Animal, p. 28, Aug. 9.
Fink & Sons, Hints on Head, p. 56, Oct. 4.
Fish Product on Market, New, p. 37, Sept. 20.
Fisheries Co., Taylor Heads, p. 33, Sept. 13.
Floor Must Meet Conditions, Packinghouse, p. 23,
 Sept. 6.
Floors, Repairing Concrete, p. 30, Dec. 13.
Food Cases, Hard-Chilled, p. 51, Sept. 6.
Food Distribution Changes Brought Out in Pack-
 er's Hearing Evidence, p. 24, Nov. 15.
Food Distribution System Rapidly Wiping Out Old
 Trade Lines, p. 23, Aug. 23.
Food Investment Trust, p. 28, Sept. 13.
Food Store Facts in Census, p. 36, Oct. 11.
Forbes, Death of W. S., p. 51, Aug. 30.
Frankfurt, Poor Color on, p. 29, July 5.
Franks, Points on Smoking, p. 28, Aug. 9.
Freeze Fruit Juice, Will, p. 29, Sept. 27.
Freezer Burn, Prevention of, p. 33, Nov. 1.
Freezing Association, Quick, p. 33, Nov. 29.
Freezing Experiments, Quick, p. 24, Aug. 2.
Freezing Georgia Peaches, p. 33, Sept. 13.
Freezing in England, Quick, p. 33, Dec. 27.
Freezing, Old Stuff? Is Quick, p. 33, Dec. 27.
Freezing Oysters, p. 29, Sept. 27.
Freezing Patents, Sues on, p. 45, Aug. 10.
Freezing Plants, New Peach, p. 31, Oct. 18.
Freezing Retail Cuts, New Method of, p. 21, Nov.
 22.
Freezing Text Book, Quick, p. 33, July 26.
Freezing Will Open Up Many New Meat Outlets,
 Packer Says Quick, p. 23, Nov. 29.
Frosted Foods Sales Grow, p. 37, Sept. 20.
Frosted Foods? Why Stock, p. 51, Sept. 6.
Frosted Meats, Distributing, p. 24, July 5.
Frozen Brine, Refrigerating Pre-Cut Meats with,
 p. 21, Nov. 1.
Frozen Foods, Distribution, p. 28, Nov. 8.
Frozen Food Production, p. 27, Dec. 20.
Frozen Foods, State Tests, p. 33, Nov. 1.
Frozen Foods, Will Discuss, p. 33, Nov. 29.
Frozen Foods, Will New Method Be Adopted for,
 p. 35, Dec. 13.
Frozen Fresh Meats, Test, p. 207, Oct. 25.
Frozen Fruit Conference, p. 35, Oct. 4.
Frozen Fruit Juice Rates, p. 33, Dec. 27.
Frozen Fruit, Prefer Quick, p. 35, Dec. 6.
Frozen Meats, More Quick, p. 26, Aug. 2.
Frozen Meat Field with Small Town Trade, Cudahy
 Begins in Quick, p. 28, July 26.
Frozen Meats, Equipping the Retailer to Sell, p.
 19, Oct. 18.
Frozen Meat Grades, New, p. 39, Oct. 11.
Frozen Meats, New Birdseye, p. 29, Sept. 27.
Frozen Meat Sales Tests, p. 35, Oct. 4.
Frozen, More Fish, p. 41, Oct. 11.
Frozen Retail Cuts? Will It Pay to Produce Quick,
 p. 23, Aug. 2.
Fuhrman Passes, Andrew, p. 51, Oct. 4.
Fuller's Earth Used, More, p. 27, Sept. 27.

G

Gas Bill, Reducing the, p. 28, July 19.
Gelatin Production, Edible, p. 38, Nov. 15.
German Provision Market, p. 36, Oct. 18.
Germany, More Hogs in, p. 22, Nov. 22.
Gland Yield, Animal, p. 38, Oct. 11.
Globe Equipment Grow, p. 47, Aug. 16.
Glue Production and Stock, p. 49, Aug. 30; p.
 34, Nov. 8.
Gobel Dies after Accident, p. 58, Dec. 13.
Gobel Picks Radio Expert to Supervise Meat
 Plants, p. 27, Sept. 6.
Godchaux Sugar in New York, p. 26, Nov. 1.
Grading Beef, Experiments in, p. 140, Oct. 25.
"Grave Digger" Tactics, p. 34, July 26.
Grimm, Death of A. F., p. 60, Sept. 20.

H

Hair, to Clean and Dye Hog, p. 30, Dec. 27.
Ham Tariffs, Spain Raises, p. 52, Sept. 13.
Hams, Dip for Canvass, p. 25, July 5.
Hams, Dry Cure for, p. 28, Aug. 9.
Hams in Bags, Spiced, p. 31, Dec. 13.
Hams, Using Up Saity, p. 29, Aug. 23.
Hansen, Death of Lars, p. 51, Sept. 13.
Hard-Chilled Meats in Retail Shop, Handling, p.
 23, Aug. 16.
Heating, Controlled Unit, p. 38, Oct. 11.
Hide and Leather Deficit, p. 26, Aug. 16.
Hide Consumption Declines, p. 48, Dec. 27.
Hide Exchange Elects, p. 28, Sept. 20.
Hide Exchange Trading Year, p. 28, Sept. 20.
Hide Pack, Building a, p. 30, Oct. 4.
Hide Research Head Resigns, p. 49, Aug. 9.
Hides, Hair Slip, p. 31, Aug. 2.
Hog Dehaler Has Scraper Blades Directly At-
 tached to Drums, New, p. 35, Oct. 11.
Hog Heads Efficiently, Handling, p. 21, July 19.
Hog Purchases, Corn Belt, p. 41, Nov. 1.
Hog Tests, Winter, p. 21, Nov. 29.
Hornal Earnings Increase, p. 26, Aug. 16.
Hornal Sales Three Million More than Last Year,
 p. 25, Nov. 15.
Horse Packing Plant, New, p. 24, Nov. 29.
Horse Power? What is, p. 29, Nov. 1.
Horses for Meat, Wild, p. 33, July 26.
Howes, Death of Richard N., p. 49, Oct. 18.
Hygrade Adds Food Cannery, p. 49, July 5.
Hygrade Employees Paper, p. 30, Sept. 20.

I

Injuries, Some Figures on, p. 31, Aug. 2.
Inspection, California Meat, p. 22, Nov. 22.
Inspection, Federal, p. 154, Oct. 25.
Inspection, Local, p. 157, Oct. 25.
Insurance Employees, Packers, p. 50, Dec. 27.
International Stock Show, p. 26, Nov. 29.
Irish Bacon Production, p. 42, Nov. 29.

J

Jellied Veal and Tongue, p. 31, Sept. 13.

K

Katz, Death of Reuben N., p. 51, Nov. 15.
Keefe-Le Stourgeon Sales, p. 22, Nov. 15.
Kingan Issues a "Who's Who," p. 55, Sept. 20.
Kroger on 13-Month Basis, p. 28, Dec. 27.
Kroger-Sears Affiliation, p. 30, Aug. 30.

L

Lamb Carcasses, Cutting Up, p. 55, Sept. 13.
Lamb School Will Teach Dealer and Consumer
 About Meat Values, p. 52, Oct. 18.
Lambs, Handling Spring, p. 43, July 12.
Lard Advertising Helps, p. 26, Aug. 23.
Lard, Brazil Wants, p. 36, Oct. 18.
Lard Developed by Research, Facts About, p. 128,
 Oct. 25.
Lard Exports Decline, p. 42, Oct. 4.
Lard, Filter Aids for, p. 26, Sept. 20.
Lard for Packaging, p. 31, Sept. 13.
Lard, Gray Color in, p. 30, Aug. 2.
Lard Imports, Guatemalan, p. 49, Aug. 30.
Lard in Cuba, Dutch, p. 34, Dec. 20.
Lard in the United Kingdom, p. 37, Oct. 18.
Lard, Killing Fats in, p. 39, Oct. 11.
Lard Methods? Will It Pay Packers to Improve,
 p. 23, Dec. 13.
Lard on the Map Under Another Name, Putting,
 p. 21, Aug. 16.
Lard Production Costs, New Machines May Help
 to Hold Down, p. 23, Nov. 22.
Lard Quality, Sell More Lard by Improving, p.
 25, Sept. 6.
Lard Sales, Increasing, p. 53, Aug. 2.
Lard, Suggestions for Window Displays as Aids
 in Merchandising, p. 27, July 26.
Lard, Sweet Pickle, p. 33, July 12.
Lard To Harden, p. 28, Aug. 16; p. 27, Oct. 18.
Lard To Germany Neutral, p. 42, Dec. 13.
Lard Yields, Steam, p. 32, Aug. 30.
Lavan Opens Meat Offices, p. 55, Sept. 20.
Libby Preferred Dividends, p. 24, Nov. 22.
Liverwurst, Jelly Spots in, p. 30, Dec. 13.
Livestock and Meat Board Plans to Broaden Its
 Activities, p. 26, July 5.
Livestock Cars, Bedding, p. 51, Sept. 13.
Livestock Cooperative, New, p. 27, Aug. 2.
Livestock Exchange Meets, p. 55, July 12.
Livestock Industry, Trends in the, p. 122, Oct. 25.
Livestock Leaders, Honor, p. 53, Dec. 6.
Livestock Liability When Bank Fails, p. 49, July
 19.
Livestock Marketing Costs, p. 56, July 26.

Livestock Marketing Plans, p. 42, July 19.
Livestock Rates, Fighting Advanced, p. 28, Dec.
 13.
Livestock Rates Readjusted by Interstate Com-
 merce Commission on Rehearing, Eastern, p. 23,
 Aug. 9.
Livestock Shipping Days, p. 26, Nov. 29.
Livestock Shortage at Shipping Yard, p. 28, July
 12.
Livestock, Should Collect Full Value for, p. 28,
 Aug. 2.
Livestock Show, Lessons for Meat Packer, Retailer
 and Consumer at International, p. 25, Dec. 6.
Livestock, Shrinkage on, p. 55, Oct. 11.
Livestock Values in 1930 Reflect General Business
 Situation, p. 27, Dec. 13.
Livestock Yard, Cooperative, p. 44, Aug. 30.
Loaf, Making Spanish, p. 30, Oct. 4.

M

Machinery, Speed of, p. 39, Oct. 11.
Margarine, Armour & Swift, p. 40, Nov. 19.
Margarine, Filipinos Eat, p. 43, July 12.
Margarine, German, p. 40, Dec. 27.
Margarine in Norway, p. 42, Dec. 6.
Margarine Industry, Dutch, p. 42, Dec. 13.
Margarine Institute, C. A. Baumann Heads the,
 p. 42, July 26.
Margarine Labels, Finnish, p. 56, Sept. 20.
Margarine, Palm Oil in, p. 42, Dec. 13.
Margarine Plants in Russia, p. 38, Oct. 18.
Margarine Production, p. 42, Dec. 13.
Margarine Rules, European, p. 52, Oct. 11.
Margarine, Tax Free Yellow, p. 34, Dec. 20.
Margarine Tax, Seek to Stop, p. 40, Oct. 4.
Margarine, To Make, p. 25, Dec. 20.
"Margarine" A Success, German, p. 37, Aug. 16.
Marland in Casings Field, p. 49, July 5.
Meagher, Farewell Dinner to Fred L., p. 55, Nov.
 1.
Meat Board Reviews Work, p. 36, Dec. 6.
Meat Consumption Discussed as Aid to Livestock
 Producer, Increased, p. 22, Aug. 16.
Meat Consumption Grows When All Parts of In-
 dustry Pull Together, p. 27, Dec. 13.
Meat Consumption, Quality Products Stimulate,
 p. 21, Nov. 15.
Meat Cooking Experiments, p. 51, Nov. 29.
Meat Dealers, Courses for, p. 53, July 19.
Meat Discoloration, Cut, p. 26, Aug. 30.
Meat for the Child, p. 50, Nov. 29.
Meats Go Big in Syracuse, p. 38, Oct. 11.
Meat, Government Studies to Help, p. 21, Dec. 20.
Meat Hooks, To Galvanize, p. 28, July 19.
Meat Import Duties, p. 27, Sept. 27.
Meat is a Reliable Resource in this Age of Freak
 Diets, p. 29, Dec. 6.
Meat Judging Contests, p. 20, Dec. 6.
Meat, Learning to Know, p. 22, Nov. 8.
Meat Leaf, Agar Agar, p. 25, Dec. 20.
Meatlessness Would Help Profits, More, p. 23,
 July 19.
Meat Packers Cut in Modern Food Distribution?
 What Figure do Big, p. 30, Dec. 6.
Meat Plant, Building Efficiency into the, p. 21,
 July 19; p. 21, Nov. 8.
Meat Production, Future, p. 26, Sept. 13.
Meat Recipe Booklet, New, p. 53, Oct. 18.
Meat Shop Becomes Large Departmentalized Food
 Store, Small, One-Man, p. 224, Oct. 25.
Meat Skippers, To Avoid, p. 29, July 5.
Meat Store, Modernizing the, p. 22, Nov. 29.
Meat Store Should Consider Costs Before Increas-
 ing Volume, Small, p. 48, Sept. 27.
Meat Trucking Costs, Lower, p. 35, Oct. 4.
Meat Widens Plans for Telling the Public More
 about the Values of, p. 27, Sept. 6.
Meats as Christmas Gift, p. 57, Dec. 6.
Meats by Grade, Will Buy, p. 25, Aug. 23.
Meats Influence Store Size, p. 53, July 5.
Meats in Packages Be Profitably Merchandised?
 Can Fresh-Cut, p. 29, July 12.
Meats in Packages, Distribution of Pre-Cut, p.
 23, July 5.
Merchandising, Current Situation in, p. 172, Oct.
 25.
Merchandising Trends in Chain Stores, Meat, p.
 135, Oct. 25.
Merchandising Trends in Individual Stores, Meat,
 p. 159, Oct. 25.
Meters in the Plant, p. 48, Aug. 30.
Mettwurst, Inexpensive, p. 30, Aug. 2.
Michigan Fat Stock Show, p. 20, Dec. 20.
Middlebrook, Death of Charles D., p. 42, Dec. 20.
Miller & Hart Dividend, p. 28, Sept. 13.
Moisture on Windows, p. 33, July 26.
Mold Has Many Causes and Should be Watched,
 Meat Damage from, p. 25, Sept. 13.
Mold on Sliced Bacon, p. 32, Sept. 20.
Mold that Peels, p. 31, Sept. 6.
Monel, New Finish for, p. 28, July 5.
Morrell Announces Dividend, p. 26, Nov. 15.
Munkwitz, Death of Charles H., p. 51, Nov. 22.

N

Neuhoff, Swift to Acquire, p. 20, Nov. 22.
New Zealand Meat Exports, p. 56, July 12.
Nitrite vs. Nitrate, p. 204, Oct. 25.

O

Odors in the Store, p. 52, Aug. 23.
Oils, Bleaching Edible, p. 53, Sept. 20.
Oil Chemists' Fall Meeting, p. 36, Nov. 22.
Oil Costs, Imported Edible, p. 42, Oct. 4.
Oil for High Temperature, p. 27, Sept. 27.
Oil Freight Rates Lowered, p. 38, Oct. 18.
Oil Imports and Exports Had a Record Year in
 1929, Vegetable, p. 20, Sept. 6.
Oils Increase Competition for Animal Fats, For-
 eign Vegetable, p. 38, Aug. 30.
Oil Industry, Current Situation in the, p. 164,
 Oct. 25.

Oil Mills? Too Many, p. 34, Aug. 16.
 Oil Refining, Cooking, p. 33, Aug. 30.
 Oil Tariff Favored, Edible, p. 40, Nov. 29.
 Oil Tariff, Study Vegetable, p. 45, July 26.
 Order Buying Argument, p. 37, Dec. 20.
 Order Buying Boycott Case, p. 44, Nov. 22.
 Order Buyer Boycott, Charge, p. 46, Nov. 1.
 Order Buying, Packers Talk, p. 50, Sept. 27.
 Overselling Customers, p. 31, Aug. 23.

P

Package, Put More Sales Appeal into the Meat, p. 18, Nov. 22.
 Packaged Fresh Meats are Sold in a "Butcherless" Meat Store, How Pre-Cut, p. 25, Aug. 2.
 Packaged Fresh Meats Please Consumers in a Modern Shop Setting, p. 25, Dec. 13.
 Packaged Meats, Boycott, p. 23, Aug. 23.
 Packaged Meats? Can Meat Packers Get Economical Distribution for Quick-Frozen, p. 19, Oct. 18.
 Packaged Meats, Fight, p. 30, Aug. 30.
 Packaged Meats, Fresh, p. 148, Oct. 12.
 Packaged Meats, Fresh-Cut, p. 29, July 12; p. 55, Sept. 13.
 Packaged Meats, "Fresher Cut," p. 149, Oct. 25.
 Packaged Meats, Quick-Frozen, p. 144, Oct. 25.
 Packaged Meats, Shop Refrigeration for Pre-Cut, p. 25, Aug. 30.
 Packaged Meats, Small Town Dealer Has Some Thoughts on Pre-Cut, p. 58, Sept. 20.
 Packaged Meats, Trying Out, p. 30, Sept. 20.
 Packaged Meats? What is the Average Meat Packer Going to Do About Quick-Frozen, p. 21, Sept. 27.
 Packaged Pre-Cut Hard-Chilled Meats on the Market, Another Packer Puts, p. 21, Aug. 9.
 Packages, Distribution of Pre-Cut Meats in, p. 23, July 5.
 Packages, Standardizing Linked Sausage in, p. 17, Dec. 20.
 Packaging Meats and Meat Products, Wrapping and, p. 23, Oct. 4.
 Packer Caters for Barbecue, p. 27, Aug. 2.
 Packer Decree Modification, Farm Board Livestock Advisers Urge, p. 28, July 26.
 Packer Has Chief on His Staff, p. 22, Oct. 18.
 Packers' Consent Decree Hearing, p. 33, Oct. 11.
 Packers' Consent Decree Hearings, p. 24, Nov. 1.
 Packer Decree Arguments Put Case Up to Court for Decision, p. 26, Dec. 13.
 Packers' Consent Decree Case on Packers' Side, Livestock Producers Enter, p. 28, Oct. 4.
 Packers' Decree Hearing, Facts on Meat Distribution Brought Out in, p. 22, Oct. 18.
 Packers' Consent Decree, To Argue, p. 25, July 19.
 Packers First Met, What Happened When Meat, p. 162, Oct. 25.
 Packers' Price List Holds the Secret of His Profit or Loss Showing, p. 23, Oct. 18.
 Packers Say They Have No Definite Plans for Retailing Meat, p. 24, Nov. 8.
 Packers, Twenty-fifth Annual Convention of the Institute of American Meat, p. 108, Oct. 25.
 Pancreas from Argentina, p. 30, Oct. 4.
 Paraffined Luncheon Meat, p. 32, July 26.
 Patton, Death of C. W., p. 51, Sept. 13.
 Perishable Warehouse, A. & P., p. 24, Nov. 22.
 Personnel, Improving the Training of the, p. 125, Oct. 25.
 Pickle Pump Operated by Electric Motor, p. 29, Nov. 15.
 Pickle Pump, Use of, p. 26, Nov. 8.
 Pig, Sauce for Barbecue, p. 29, Nov. 29.
 Pigs' Feet, Pickled, p. 28, Aug. 23.
 Pipe Lines, Identifying, p. 31, Oct. 4.
 Polish Tariff Duties, New, p. 28, Aug. 9.
 Pork Products, DAILY MARKET SERVICE to Report Trading in Fancy Grades of Cured, p. 26, Sept. 20.
 Pork Yields, Tests Show New Factors Affecting, p. 27, Aug. 30.
 Poultry? Canned or Frozen, p. 41, Oct. 11.
 Poultry Dressing Methods, p. 30, Sept. 6.
 Pre-Cut Meats, Stocking, p. 31, Oct. 18.
 Prices Can Be Cut, p. 31, Nov. 29.
 Price, Getting the, p. 34, July 26.
 Price List to All His Retail Customers, Packer Plans to Furnish Printed, p. 29, July 26.
 Price Maintenance and Quality, p. 142, Oct. 25.
 Prices Pay? Do Cut, p. 35, Sept. 20; p. 31, Nov. 1.
 Production Costs, How the Meat Packer May Cut, p. 25, Nov. 15.
 P. & G. Employees Share Profits, p. 36, Aug. 16.
 P. & G. Buys British Plants, p. 37, Aug. 16.
 Pulleys, Aligning, p. 31, Dec. 13.

R

Radio Industry, The, p. 174, Oct. 25.
 Rath Packing Company Shows Increase in Net Profits for Year, p. 27, Dec. 27.
 Refrigerator Cars, Danish, p. 51, Sept. 6.
 Refrigerator Cars, New Type, p. 34, Dec. 27.
 Refrigerator Car Loadings, p. 29, Sept. 27.
 Refrigerator Cars Supplied, p. 28, Sept. 6.

Refrigerating Costs, Keeping Down Meat Plant, p. 25, July 26.
 Refrigeration for Pre-Cut Packaged Meats, Shop, p. 25, Aug. 30.
 Refrigerant from Gas Well, p. 41, Oct. 11.
 Refrigerated Meat Trailers, p. 37, Sept. 20.
 Refrigerating Plant Pumps, p. 47, Aug. 23.
 Refrigeration Problems at A. S. R. E. Meet, p. 35, Dec. 6.
 Refrigerated Trucks, Using, p. 31, Oct. 18.
 Reindeer Meat, Selling, p. 54, Dec. 27.
 Reindeer, Pack Alaska, p. 18, Dec. 20.
 Retail Credit Losses, p. 59, July 26.
 Retail Cutting Test Compares This Year's Costs With Those of Three Years Ago, p. 40, Dec. 20.
 Retail Dealer Can Develop Small Buyer into a Profitable Customer, p. 54, Dec. 27.
 Retail Failures, To Study, p. 54, Nov. 29.
 Retail Grocer Stocks Quick-Frozen Meats and Draws the Meat Trade, p. 50, Nov. 8.
 Retail Meat Cuts, Cutting Tests Show How to Figure Prices on, p. 54, Sept. 13.
 Retail Meat Dealer May Keep Track of His Gross Profits, How, p. 58, July 26.
 Retail Meat Dealer? What's Ahead of the, p. 22, Nov. 20.
 Retail Meat Price Spread, p. 47, Dec. 20.
 Retail Meat Store is Designed to Make Shopping a Pleasure, New, p. 56, Dec. 13.
 Retail Store in Des Moines, Model, p. 55, Dec. 27.
 Retail Store Need Not Be Large But It Must Be Modern, Successful, p. 54, Oct. 4.
 Retail Store System Checks Sales and Encourages Customers Purchasing, Simple, p. 54, Nov. 15.
 Retailer, How One Firm Changed from Packer to, p. 21, Aug. 23.
 Retailers' School, Toledo, p. 52, Nov. 1.
 Retailer Increased Sales by Modern Store Arrangement, How One, p. 56, Sept. 6.
 Retailers Meet, National, p. 54, Aug. 9.
 Retailer Met Chain Store Competition with Success, How One, p. 52, Aug. 2.
 Retailer, More Accurate Knowledge on Costs Greatest Need of, p. 54, Nov. 29.
 Retailers Rise Up in Their Own Defense at Their Annual Meeting, p. 28, Aug. 16.
 Rubber Industry, Current Situation in the, p. 168, Oct. 25.
 Rumanian Meat Exports, p. 26, Aug. 9.
 Russia Will Americanize Her Meat Industry, p. 25, Nov. 1.
 Russian Meat Plan, p. 23, Nov. 22.

S

Safety Code, Meat Plant, p. 31, Dec. 13.
 Sales Aide, Ads for, p. 34, July 26.
 Sales, More to Selling Than, p. 31, Nov. 1.
 Sales Methods, New, p. 51, Aug. 9.
 Sales Conduct, Good, p. 28, Oct. 18.
 Sales, New Ideas "Pop Up," p. 31, Aug. 9.
 Salesman, Getting Best Results from Packer, p. 21, July 5.
 Salesman, Woman Makes Good as Car Route, p. 35, July 12.
 Salesman on Defensive, Places, p. 35, July 12.
 Sanders, Death of John A., p. 54, Oct. 18.
 Sanitation in the Meat Plant, Maintaining, p. 25, July 12.
 Saunders Bankruptcy, Ask, p. 24, Nov. 22.
 Saunders Changes His Plans, p. 26, Aug. 23.
 Saunders Chain Reorganize, p. 28, Dec. 27.
 Saunders Unit Bankrupt, p. 30, July 26.
 Sausage, Bohemian, p. 32, Aug. 30.
 Sausage in Singapore, p. 45, Sept. 27.
 Sausage, Fancy Pork, p. 29, Nov. 8.
 Sausage, Off Color Beef, p. 31, Dec. 27.
 Sausage Linking Machine Also Serves as Smoke Stock, New Hand, p. 25, Nov. 1.
 Sausage, Making Dry, p. 28, Nov. 29.
 Sausage, Milk Powder, p. 26, Oct. 18.
 Sausage Plant, Open Sunlit, p. 28, Sept. 13.
 Sausage Popular, Salami, p. 24, Dec. 20.
 Sausage, Ring on Liver, p. 27, Sept. 27.
 Sausage, Smoked Country, p. 38, Oct. 11.
 Sausage, Strassburg, p. 31, Dec. 27.
 Sausage, Spices for Pork, p. 28, Nov. 1.
 Sausage, Swedish Potato, p. 33, Sept. 20.
 Sausage, Temperature for, p. 204, Oct. 25.
 Sausage with Walnuts, Pork, p. 29, Nov. 1.
 Sausage, To Make Beef for, p. 28, Aug. 16.
 Sausage Test Card, Using, p. 26, Nov. 22.
 Schenk, Death of Albert M., p. 40, Aug. 2.
 Schmidt, Death of Charles G., p. 51, Nov. 15.
 Schmidt in New Plant, p. 26, Aug. 2.
 Schroth, Death of John U., p. 45, Dec. 13.
 Scrapple Right, To Make, p. 28, Nov. 15.
 Seed Grading Rules, Adds to, p. 42, Dec. 13.
 Seed Prices, Miss, to Probe, p. 40, Dec. 27.
 Selling Branded Goods, p. 32, Oct. 4.
 Selling by Telephone, p. 35, Sept. 20.
 Selling the List, p. 35, Sept. 20.
 Selling, The Personal Equation Still the Most Important Factor in Meat, p. 35, Dec. 27.
 Sells Hard-Bolled Buyer, p. 33, Oct. 4.
 Sheep and Lamb Supplies, p. 34, Aug. 30.

Shoe Man to Help Him Sell Meat Products, Frank Firor Picks a, p. 24, Aug. 9.
 Shortening, Swift Has New, p. 38, Aug. 30.
 Shoulder, Red New Orleans, p. 24, Dec. 20.
 Sinclair with Kingan, A. C., p. 49, July 5.
 Skins, New Cooling Device Simplifies Methods of Handling Sheep and Lamb, p. 25, July 5.
 Slaughter, Pennsylvania, p. 51, Sept. 13.
 Smokehouse Fuel, Saving, p. 26, Nov. 22.
 Smoked Meat Coverings, p. 26, Sept. 27.
 Smoking, Oil Gas for, p. 205, Oct. 25.
 Soap, Peru's Import Duty on, p. 51, Oct. 4.
 Solid Coal Gas Supply of, p. 29, Aug. 23.
 Southwark Foundry & Machine Co., p. 43, Dec. 20.
 Spice Grinding Increases, p. 30, Dec. 27.
 Standard Brands Finances, p. 26, Aug. 10.
 Starr, Death of Edwin C., p. 44, Dec. 13.
 Steam Costs, Figuring, p. 32, Dec. 6.
 Steam User, For the Small, p. 29, Aug. 23.
 Stearine in Lard, Use of, p. 27, Nov. 22.
 Steel Industry, Current Situation in the, p. 176, Oct. 25.
 Store, Modernizing the, p. 69, Oct. 11.
 Sucher, Death of Charles, p. 49, Nov. 1.
 Sullivan Dividend, Regular, p. 29, July 26.
 Surpluses, A Remedy for, p. 179, Oct. 25.
 Swift & Co. at Havana, p. 18, Dec. 20.
 Swift Offers New Issue, p. 26, Aug. 9.
 Swift Quarterly Dividend, p. 30, Nov. 20.

T

Tank Charge, Balancing, p. 31, Oct. 4.
 Tanks Foam, Why Inedible, p. 32, Sept. 20.
 Tankage or Cracklings, p. 29, Nov. 15.
 Tankhouse Efficiency, p. 29, Nov. 29.
 Tankhouse Orders to Avenue, p. 26, Nov. 22.
 Tallow Oil, Acidless, p. 30, Sept. 13.
 Tanners' Annual Meeting, p. 46, Nov. 1.
 Temperatures Checked, Car, p. 207, Oct. 25.
 Temperatures, Cold Storage, p. 45, July 5.
 Tongues, Handling Lambs', p. 29, Aug. 16.
 Tongues, Jellied Pork, p. 33, Dec. 6.
 Tongues, Uses for Pork, p. 33, Dec. 6.
 Trade Code Receives Support from the Packing Industry, Packers', p. 22, July 5.
 Trademarks, Check Up on, p. 27, Oct. 27.
 Trade Practice Hearings, p. 24, Nov. 22.
 Trade Practices, Progress and Problems in, p. 152, Oct. 25.
 Transparent Wrap in Texas, p. 26, Aug. 9.
 Tripe Denaturing, p. 26, Sept. 27.
 Tripe, How to Handle, p. 30, Dec. 13.
 Trucks and Routes, Transportation Savings Possible Through Study of, p. 25, July 19.
 Truck Costs, Meat Plant, p. 29, Nov. 29.
 Truck, Dual Purpose Meat, p. 41, Oct. 11.
 Truck Radiators, Cleaning, p. 26, Nov. 22.
 Trucks, Refrigerated Sales, p. 32, July 26.
 Truck Transportation Simplify Meat Packers' Shipping Problems, Developments in Motor, p. 19, Dec. 20.
 Trucks Widen the Distribution Radius of the Meat Packer, Motor, p. 25, Aug. 9.
 Turkey, Talking Thanksgiving, p. 68, Oct. 11.

U

Unleiver in Norway, p. 36, Aug. 9.
 Usinger, Sr., Death of Fred, p. 49, Aug. 2.

V

Veal Loaf, To Make, p. 28, Nov. 15.
 Veal, Making Jellied, p. 26, Sept. 27.
 Vegetable Oil, German, p. 40, Oct. 18.
 Vegetable Oils, Russian, p. 42, Dec. 6.
 Vitamin Content of Meats, p. 33, Dec. 6.
 Volume, Getting Large, p. 31, Nov. 15.
 Volume, Maintaining, p. 33, Dec. 13.
 Voluntary Chain Growth Another Step in Evolution of Food Distribution, p. 27, Oct. 4.
 Voluntary Chain, Meat Men's, p. 28, Dec. 13.
 Voluntary Chains, News of, p. 30, Sept. 20.

W

Wash for Meats, Yellow, p. 29, July 19.
 Waterbury Succeeds Carlson, p. 24, Oct. 18.
 Well Packing Plant Opens, p. 55, July 26.
 Wetterling, Frank, Buys Cadbury Sausage Plant, p. 65, Oct. 11.
 Whitewash for Floors, p. 38, Oct. 11.
 Wiley is Dead, Dr. Harvey, p. 48, July 5.
 Window Display Material, p. 29, Oct. 18.
 Window Displays Attract Customers and Increase Sales, Good, p. 50, Nov. 22.
 Wisconsin Retailers Meet, p. 52, Oct. 18.

Y

Yirrell Retires, p. 55, July 12.



